COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office					
		OTTA	RNEY DOCKET NO.: 053785-5048		
As a below named inventor, I here	eby declare that:	-			
My residence, post office address	and citizenship are as stated below no	ext to my name,			
- · · · · · · · · · · · · · · · · · · ·	nd sole inventor (if only one name is latter which is claimed and for which a	, , , , , , , , , , , , , , , , , , ,			
	ETCHANT AND ARRAY : COPPER LINES ETCHE				
I hereby state that I have reviewe any amendment referred to above presented in this application in active to the control of t	d and understand the contents of the a	and was amended under bove-identified specification, if the information which is materal Regulations, §1.56. Ode, §119(a)-(d) or §365(b) of the identified at least one contaction(s) for patent or inventor; area of America filed by me on	PCT Article 19 notuding the claims, as amended by erial to the patentability of claims any foreign application(s) for patent antry other than the United States of a certificate or any PCT international.		
	PRIOR FOREIGN A	PPLICATION(S):			
COUNTRY		DATE OF FILING	PRIORITY CLAIMED		
(if PCT, indicate PCT)	APPLICATION NUMBER	(day, month, year)			
Korea	2000-79355	20 December 2000	[x] Yos		
			[] Yes		
			[]Yeş		

[]Yes

I-WA/1716775.1

	Combined De		plication and Power of A s Reference to PCT Inte ATTORNEY DOCK	
I hereby claim the benefits under Ti	tle 35, United States Code §119	(e) of any United States	provisional application	(s) listed below.
	U.S. PROVISION	IAL APPLICATIONS		
U.S. PROVISIONAL APPLICATION NO.			U.S. FILING DATE	
				1
I hereby claim the benefit under Tit application(s) designating the Unite this application is not disclosed in t Code, §112. I acknowledge the duty patentability of claims presented in available between the filing date of PRIOR U.S. APPLICATIONS OF	ed States of America that is/are I hat/those prior application(s) in to disclose to the U.S. Patent a this application in accordance with prior application(s) and the	isted below and, insofar the manner provided by and Trademark Office all with Title 37, Code of Fe national or PCT internation	as the subject matter of the first paragraph of T information known to n deral Regulations, §1.56 tional filing date of this	Teach of the claims of itle 35, United States me to be material to the 5 which became application:
U.S. APPLIÇATIONS		STATUS (Check One)		
E.S. APPLICATION NO.	U.S. FILING DATE	PATENTED	PENDING ,	ABANDONED
				:
POWER OF ATTORNEY: As a included in the Customer Number of Office connected therewith, and discustomer Number: 809629	provided below to prosecute this	s application and to trans	sact all business in the P	& Bockius LLP atent and Trademark
Direct Telephone Calls To:				1

202-467-7501

1-WA/1716775.1

TO:

		cation and Power of Attorney - (Continue eference to PCT International Application ATTORNEY DOCKET NO.: 053785-50
believed to be true; and furth	ments made herein of my own knowledge are true and that all state that these statements were made with the knowledge that willful onment, or both, under Section 1001 of Title 18 of the United States are validity of the application or any patent issuing thereon.	false statements and the like so made are
FULL NAME OF FIRST INVENTOR	Gyoo-Chul JO	
RESIDENCE & CITIZENSHIP	Gyeonggi-do, Republic of Korea	COUNTRY OF CITIZENSHIP Republic of Korea
POSCOFFICE ADDRESS	512-901, Gaya APT., 1155, Sanbon-dong, Gunpo-sì, Gyeonggi-c	lo, 435-040, Republic of Korea
FIRST INVENTOR'S SIGN	Jo Gy oo Chul	DATE >00/. /2 · /0
FULL NAME OF SECOND INVENTOR	Ki-Sung CHAE	!
RESIDENCE & CYCLENSHIP	Gyeonggi-do, Republic of Korea	COUNTRY OF CITIZENSHIP Republic of Korea
POST OFFICE ADDRESS	533, Hogye-dong, Dongan-gu, Annyang-si, Gyeonggi-do, 431-0	80, Republic of Korea
SECOND INVENTOR'S SI	GNATURE	DATE

Ø1

Listing of Inventors Continued on attached page(s) [] Yes [X] No

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

ATTORNEY DOCKET NO.: 053785-5048 As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name, I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: ETCHANT AND ARRAY SUBSTRATE HAVING COPPER LINES ETCHED BY THE ETCHANT The specification of which: is attached hereto; or was filed as United States application Serial No. _____ on ____ and was amended on _____ (if applicable); or was filed as PCT international application Number _____ on ____ and was amended under PCT Article 19 on III ____ (if applicable). I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. acknowledge the duty to disclose to the U.S. Patent and Trademark Office information which is material to the patentability of claims presented in this application in accordance with Title 37, Code of Federal Regulations, §1.56. I hereby claim forcign priority benefits under Title 35, United States Code, §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate or §365(a) of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed: PRIOR FOREIGN APPLICATION(S): PRIORITY CLAIMED DATE OF FILING COUNTRY (if PCT, indicate PCT) APPLICATION NUMBER (day, month, year) 20 December 2000 [x] Yes 2000-79355 Korea []Yes []Yes [] Yes

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2001-DEC-12 18:59 FROM:NEITPATENT

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Combined Declaration For Patent Application and Power of Attorney - (Continued (includes Reference to PCT International Applications ATTORNEY DOCKET NO.: 053785-504				
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.				
full name of first inventor	Gyoo-Chul JO			
RESIDENCE & CITIZENSHIP	Gyeonggi-do, Republic of Korea	COUNTRY OF CITIZENSHIP Republic of Korea		
POST OFFICE ADDRESS	512-901, Gaya APT., 1155, Sanbon-dong, Gunpo-si, Gyeong	gi-da, 435-040, Republic of Korea		
First inventor's sign	TATURE	DATE		
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RESIDENCE & CITIZENSHIP	Gyeonggi-do, Republic of Korea	COUNTRY OF CITIZENSHIP Republic of Korea		
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SECOND INVENTOR'S S	IGNATURE Ki-Sury CHAE	DATE >00/./2,//		

Listing of Inventors Continued on attached page(s)